HarbisonWalker

SAFETY DATA SHEET

1. Identification

Product identifier NO. 36 REFRACTORY CEMENT

Other means of identification

Brand Code 6003, 429B

Recommended use For Industrial or Professional Use Only **Recommended restrictions** Avoid dry cutting, blasting, or dust generation.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name HarbisonWalker International

Address 1305 Cherrington Parkway, Suite 100

Moon Township Pennsylvania 15108 US

Telephone General Phone: 412-375-6600

Website www.thinkHWI.com

Emergency phone number CHEMTREC 24 HOUR 1-800-424-9300

EMERGENCY #

Supplier Not available.

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2
Carcinogenicity Category 1A
Specific target organ toxicity, repeated Category 1

exposure

Environmental hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause cancer. Causes damage to

organs through prolonged or repeated exposure.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective

clothing/eye protection/face protection.

Response IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it

before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information None.

Material name: NO. 36 REFRACTORY CEMENT 6003, 429B Version #: 01 Issue date: 05-09-2018

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ALPHA-ALUMINA		1344-28-1	40 - 60
Mullite		1302-93-8	10 - 20
Kaolin		1332-58-7	2.5 - 10
SILICA, AMORPHOUS, FUMED	SILICA, AMORPHOUS, FUMED SILICA (CRYSTALLINE FREE)	7631-86-9	2.5 - 10
SILICA, CRYSTALLINE, QUARTZ		14808-60-7	2.5 - 10
Silicic Acid, Sodium Salt		1344-09-8	2.5 - 10
FERRIC OXIDE		1309-37-1	1 - 2.5
Titanium Dioxide		13463-67-7	1 - 2.5
SILICA, CRYSTALLINE, CRISTOBALITE		14464-46-1	0.1 - 1
Other components below reportab	le levels		20 - 40

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Crystalline silica may be present at low concentrations; most of this is encapsulated in the coarse aggregate or as part of the clays or sands.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred Most important

vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic symptoms/effects, acute and effects. delayed

Indication of immediate Provide general supportive measures and treat symptomatically. Keep victim under observation. medical attention and special Symptoms may be delayed.

treatment needed **General information**

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s)

involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

Not available. Unsuitable extinguishing media

Specific hazards arising from Not applicable. the chemical

Special protective equipment Not available. and precautions for firefighters

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not breathe dust. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US.	ACGIH	Threshold	Limit Values
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Components	Туре	Value	Form
ALPHA-ALUMINA (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
FERRIC OXIDE (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	Form
ALPHA-ALUMINA (CAS 1344-28-1)	TWA	10 mg/m3	
FERRIC OXIDE (CAS 1309-37-1)	TWA	5 mg/m3	Respirable.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable.
		0.025 mg/m3	Respirable particles.
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
ALPHA-ALUMINA (CAS 1344-28-1)	TWA	1 mg/m3	Respirable.
FERRIC OXIDE (CAS 1309-37-1)	STEL 10 mg/m3	10 mg/m3	Fume.
,	TWA	5 mg/m3	Fume.
		5 mg/m3	Dust.
		3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

	Туре	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
SILICA, AMORPHOUS,	TWA	4 mg/m3	Total
FUMED (CAS 7631-86-9)		•	
		1.5 mg/m3	Respirable.
SILICA, CRYSTALLINE,	TWA	0.025 mg/m3	Respirable fraction.
CRISTOBALITE (CAS			
14464-46-1)	T)A/A	0.005 / 0	Descripto for ation
SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Titanium Dioxide (CAS	TWA	3 mg/m3	Respirable fraction.
13463-67-7)	1 **/ (o mg/mo	respirable fraction.
,		10 mg/m3	Total dust.
Canada Manitoha OFI s (Re	eg. 217/2006, The Workplace Safety	•	
Components	Type	Value	Form
	TWA	1 mg/m ²	Pospirable fraction
ALPHA-ALUMINA (CAS 1344-28-1)	IVVA	1 mg/m3	Respirable fraction.
FERRIC OXIDE (CAS	TWA	5 mg/m3	Respirable fraction.
1309-37-1)	1 ****	o mg/mo	respirable fraction.
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
SILICA, CRYSTALLINÉ,	TWA	0.025 mg/m3	Respirable fraction.
CRISTOBALITE (CAS		-	
14464-46-1)			.
SILICA, CRYSTALLINE,	TWA	0.025 mg/m3	Respirable fraction.
QUARTZ (CAS 14808-60-7)	TIAIA	40	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
•	ntrol of Exposure to Biological or Ch	nomical Agente\	
Components	Type	Value	Form
COMBUNETIES	. 7 6 -		
ALPHA-ALUMINA (CAS	TWA	1 mg/m3	Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1)		•	·
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS	TWA	1 mg/m3 5 mg/m3	Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1)		5 mg/m3	Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7)	TWA	5 mg/m3 2 mg/m3	Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE,	TWA TWA	5 mg/m3	Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1)	TWA TWA	5 mg/m3 2 mg/m3 0.05 mg/m3	Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE,	TWA TWA	5 mg/m3 2 mg/m3	Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7)	TWA TWA TWA	5 mg/m3 2 mg/m3 0.05 mg/m3	Respirable fraction. Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Titanium Dioxide (CAS	TWA TWA TWA	5 mg/m3 2 mg/m3 0.05 mg/m3	Respirable fraction. Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7)	TWA TWA TWA TWA	5 mg/m3 2 mg/m3 0.05 mg/m3 0.1 mg/m3 10 mg/m3	Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction.
ALPHA-ALUMINA (CAS 1344-28-1) FERRIC OXIDE (CAS 1309-37-1) Kaolin (CAS 1332-58-7) SILICA, CRYSTALLINE, CRISTOBALITE (CAS 14464-46-1) SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7) Canada. Quebec OELs. (Mir	TWA TWA TWA TWA TWA TWA	5 mg/m3 2 mg/m3 0.05 mg/m3 0.1 mg/m3 10 mg/m3	Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction.
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Exposure guidelinesOccupational exposure to nuisance dust (total and respirable) and respirable crystalline silica

should be monitored and controlled. Occupational exposure to nuisance dust (total and respirable)

and respirable crystalline silica should be monitored and controlled.

Occupational Exposure Limits are not relevant to the current physical form of the product.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

exceeding the exposure limits.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.









General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Solid. Paste.
Color Not available.
Odor Not available.
Odor threshold Not available.
PH Not available.
Melting point/freezing point Not available.
Initial boiling point and boiling Not available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Elemmobility limit lower N

Flammability limit - lower

(%)

Not available.

Not available.

Flammability limit - upper

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure
Not available.
Vapor density
Not available.
Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Explosive properties Not explosive. **Oxidizing properties** Not oxidizing.

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Acids. Fluorine. Chlorine.

Incompatibility is based strictly upon potential theoretical reactions between chemicals and may

not be specific to industrial application exposure.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Not known.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Irritant

14464-46-1)

Titanium Dioxide (CAS 13463-67-7) Irritant

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica

inhaled from occupational sources can cause lung cancer in humans. However in making the

overall evaluation, IAC noted that "carcinogenicity was not detected in all industrial

circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

ACGIH Carcinogens

ALPHA-ALUMINA (CAS 1344-28-1)

FERRIC OXIDE (CAS 1309-37-1)

Kaolin (CAS 1332-58-7)

A4 Not classifiable as a human carcinogen.

A4 Not classifiable as a human carcinogen.

A4 Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS A2 Suspected human carcinogen.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) A2 Suspected human carcinogen.

Titanium Dioxide (CAS 13463-67-7)

A4 Not classifiable as a human carcinogen.

Canada - Alberta OELs: Carcinogen category

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Suspected human carcinogen.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

ALPHA-ALUMINA (CAS 1344-28-1)

FERRIC OXIDE (CAS 1309-37-1)

Kaolin (CAS 1332-58-7)

Not classifiable as a human carcinogen.

Not classifiable as a human carcinogen.

Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Suspected human carcinogen.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Suspected human carcinogen.

Titanium Dioxide (CAS 13463-67-7)

Not classifiable as a human carcinogen.

Canada - Quebec OELs: Carcinogen category

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Detected carcinogenic effect in animals.

14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

FERRIC OXIDE (CAS 1309-37-1)

3 Not classifiable as to carcinogenicity to humans.

SILICA, AMORPHOUS, FUMED (CAS 7631-86-9)

3 Not classifiable as to carcinogenicity to humans.

SILICA, CRYSTALLINE, CRISTOBALITE (CAS 1 Carcinogenic to humans. 14464-46-1)

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

SILICA, CRYSTALLINE, CRISTOBALITE (CAS Known To Be Human Carcinogen.

14464-46-1)

Reasonably Anticipated to be a Human Carcinogen.

SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Developmental effects

SILICA, CRYSTALLINE, QUARTZ 0

Developmental effects - EU category

SILICA, CRYSTALLINE, QUARTZ 0

Embryotoxicity

SILICA, CRYSTALLINE, QUARTZ 0

Reproductivity

SILICA, CRYSTALLINE, QUARTZ 0

Specific target organ toxicity - Not classified.

single exposure

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may

cause chronic effects.

12. Ecological information

Specific target organ toxicity -

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsThis product, in its present state, when discarded or disposed of, is not a hazardous waste

according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria

for hazardous waste.

Hazardous waste code Since this product is used in several industries, no Waste Code can be provided by the supplier.

The Waste Code should be determined in arrangement with your waste disposal partner or the

responsible authority.

Waste from residues / unused

products

Not available.

Contaminated packaging Not available.

14. Transport information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

Canadian regulations

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

Country(s) or region Inventory name On inventory (yes/no)*

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 05-09-2018

Version # 01

Disclaimer This information is based on our present knowledge on creation date. However, this shall not

constitute a guarantee for any specific product features and shall not establish a legally valid

contractual relationship.

Revision information Product and Company Identification: Product Codes

Composition / Information on Ingredients: Disclosure Overrides

Ecological Information: Ecotoxicity

Transport Information: Material Transportation Information

GHS: Classification

Material name: NO. 36 REFRACTORY CEMENT 6003, 429B Version #: 01 Issue date: 05-09-2018